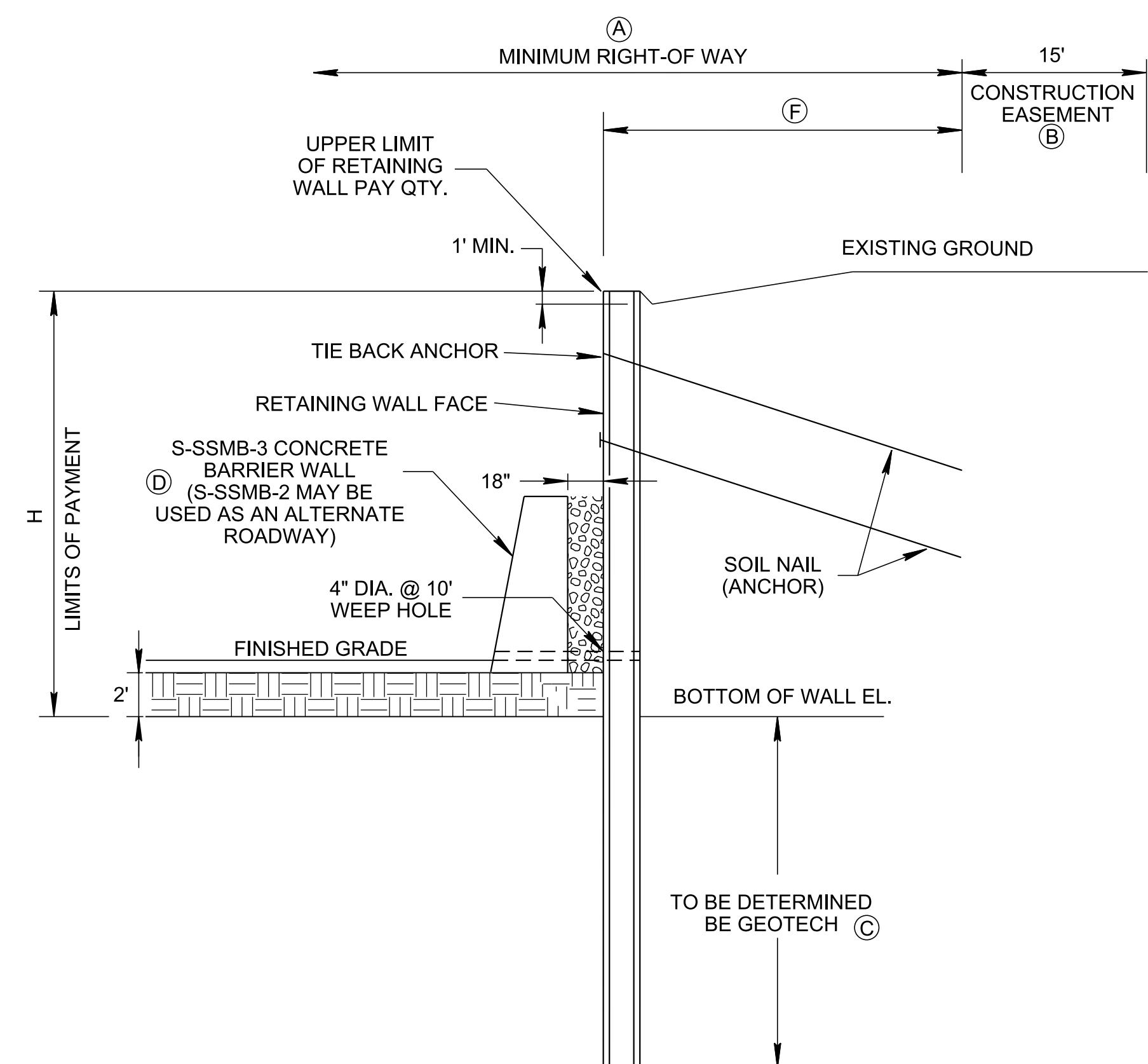


**SOLDIER PILE WALL TYPICAL SECTION IN CUT**  
(NOT APPLICABLE FOR FILL SECTION)



**SOIL ANCHORED WALL TYPICAL SECTION IN CUT**  
(NOT APPLICABLE FOR FILL SECTION)

WALL TYPES
STEEL PILES WITH WOOD LAGGING
STEEL PILES WITH CONCRETE LAGGING
CONCRETE WITH WOOD LAGGING
CONCRETE WITH CONCRETE LAGGING

GENERAL NOTES	
<b>THE PURPOSE OF THIS DRAWING IS TO BE A GUIDE AND TO ILLUSTRATE TO THE ROADWAY DESIGNER THE RIGHT-OF-WAY, SAFETY AND DRAINAGE REQUIREMENTS ASSOCIATED WITH RETAINING WALLS. THIS IS NOT A STRUCTURAL DESIGN DRAWING.</b>	
(A)	THE ENTIRE WALL MUST BE BUILT WITHIN THE RIGHT-OF-WAY, INCLUDING SOIL ANCHORS AND/OR ROCK ANCHORS, IF USED.
(B)	A MINIMUM OF 15' CONSTRUCTION EASEMENT REQUIRED BEHIND WALL AND ANCHORS, IF USED.
(C)	DESIGNER TO CALCULATE S.F. OF WALL BASED ON TOP OF PILE DOWN TO 2' BELOW FINISHED GRADE. DISTANCE NEEDED BELOW FINISHED GRADE TO BE DETERMINED BY GEOTECH. COSTS FOR LENGTH BELOW 2' TO BE INCLUDED IN PRICE BID FOR RETAINING WALL.
(D)	IF WALL IS WITHIN CLEAR ZONE OF ROADWAY, PLACE CONCRETE BARRIER WALL PER (S-SSMB-3).
(E)	BEGINNING AND END OF WALLS SHOULD BE PLACED OUTSIDE THE CLEAR ZONE. IF THIS OPTION IS NOT FEASIBLE, USE A TL-3 END TERMINAL OR CRASH CUSHION, ATTACHED TO CONCRETE BARRIER WALL. DO NOT ATTACH IT TO THE WALL ITSELF.
(F)	AS THE LENGTH OF THE SOIL ANCHOR CAN VARY DRAMATICALLY, DEPENDING ON EXISTING SOIL CONDITIONS, THE GEOTECH ENGINEER SHALL DETERMINE AND SUPPLY THE REQUIRED LENGTH TO THE DESIGNER, IF THIS TYPE OF WALL IS TO BE USED.

STATE OF TENNESSEE  
STANDARD DRAWING  
DEPARTMENT OF TRANSPORTATION

**ROADWAY FEATURES AT SOLDIER PILE AND SOIL ANCHORED RETAINING WALLS**

4/14/2020 11:26:14 AM P:\StandDraw\DESIGN STANDARDS Drawings Library\Standard Roadway Drawings - CURRENT\In Progress\10-104.00 Roadway, Pavement Appurtenances and Fence IP\104.04 Walls IP\WSP1-20200501